

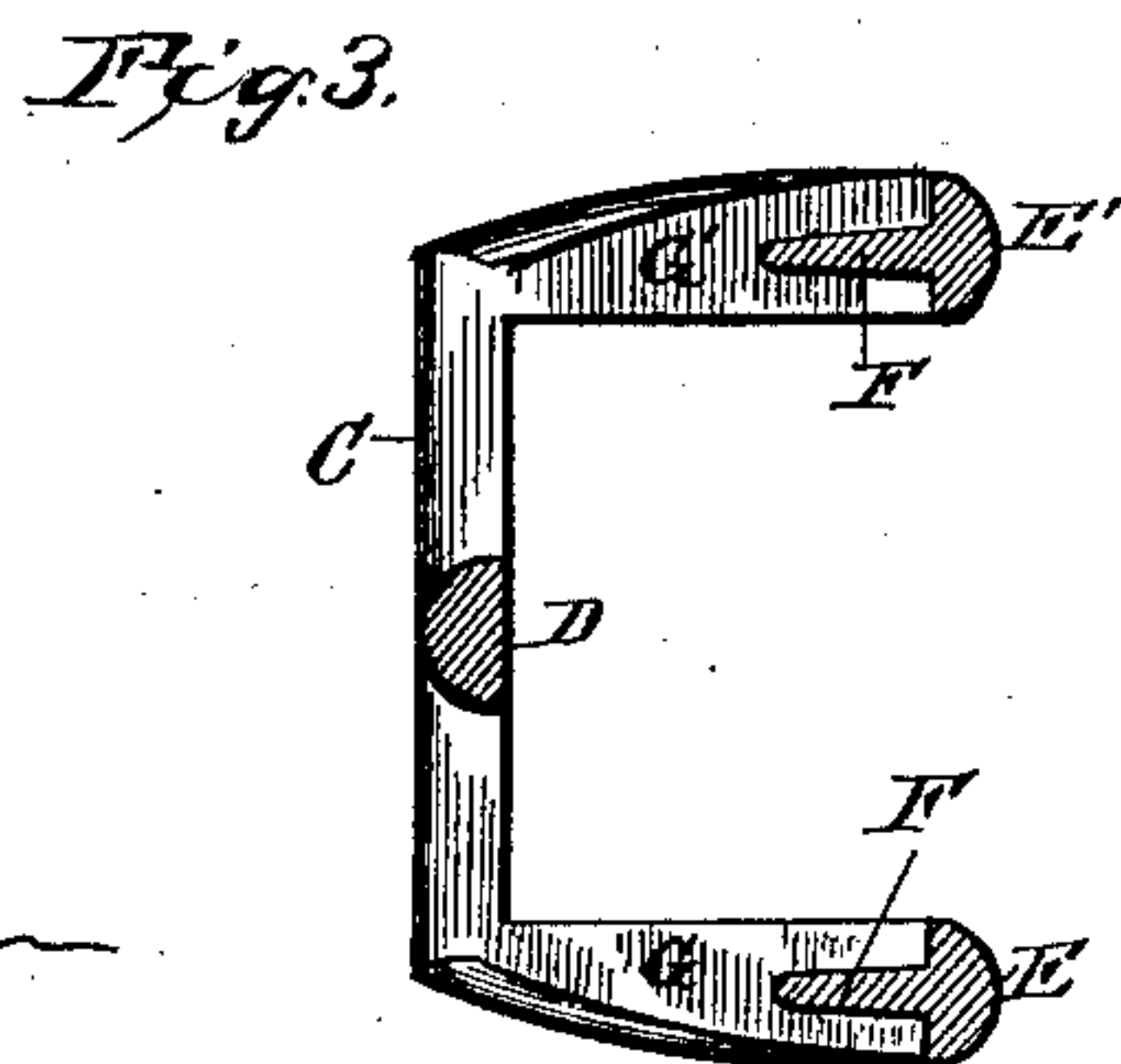
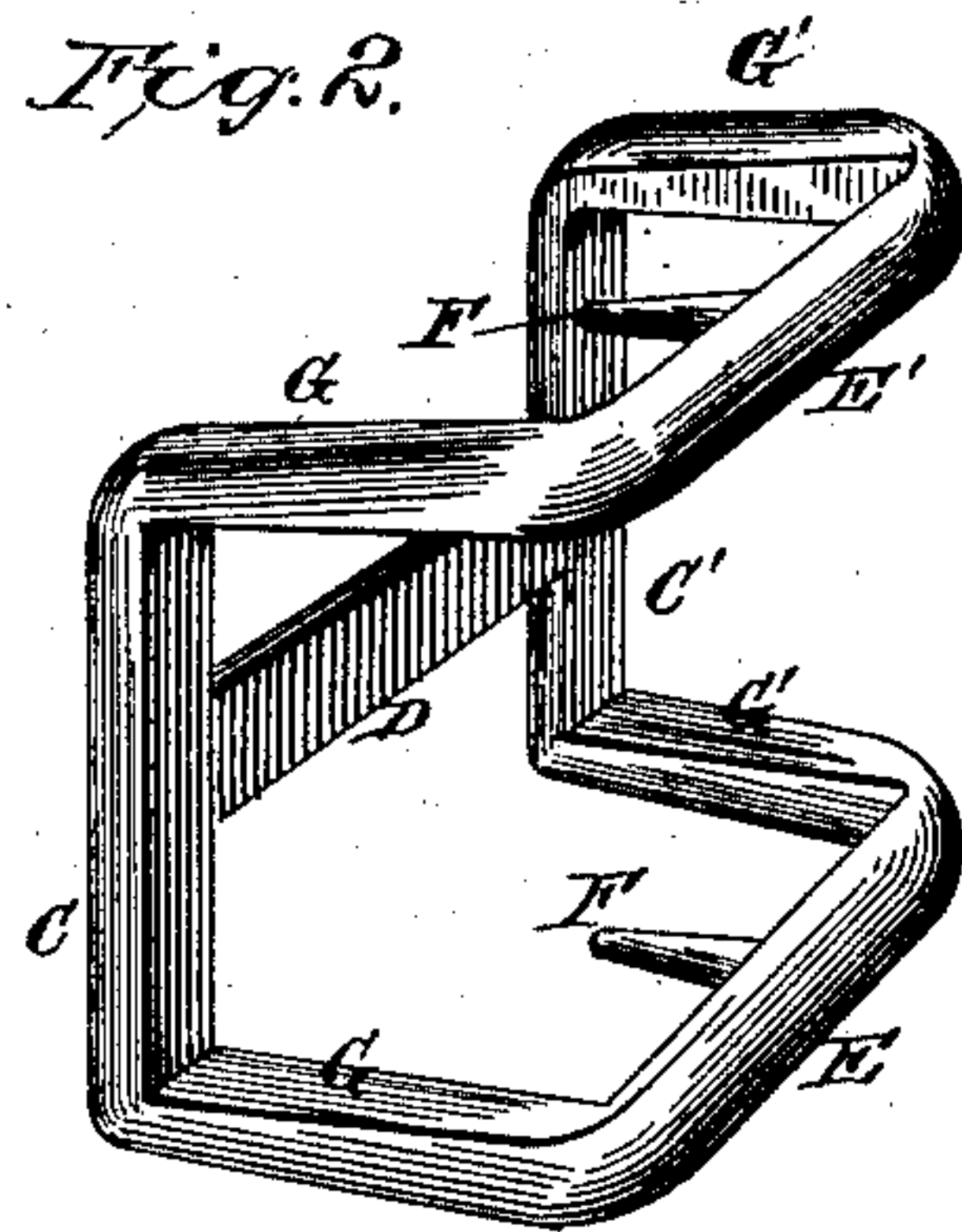
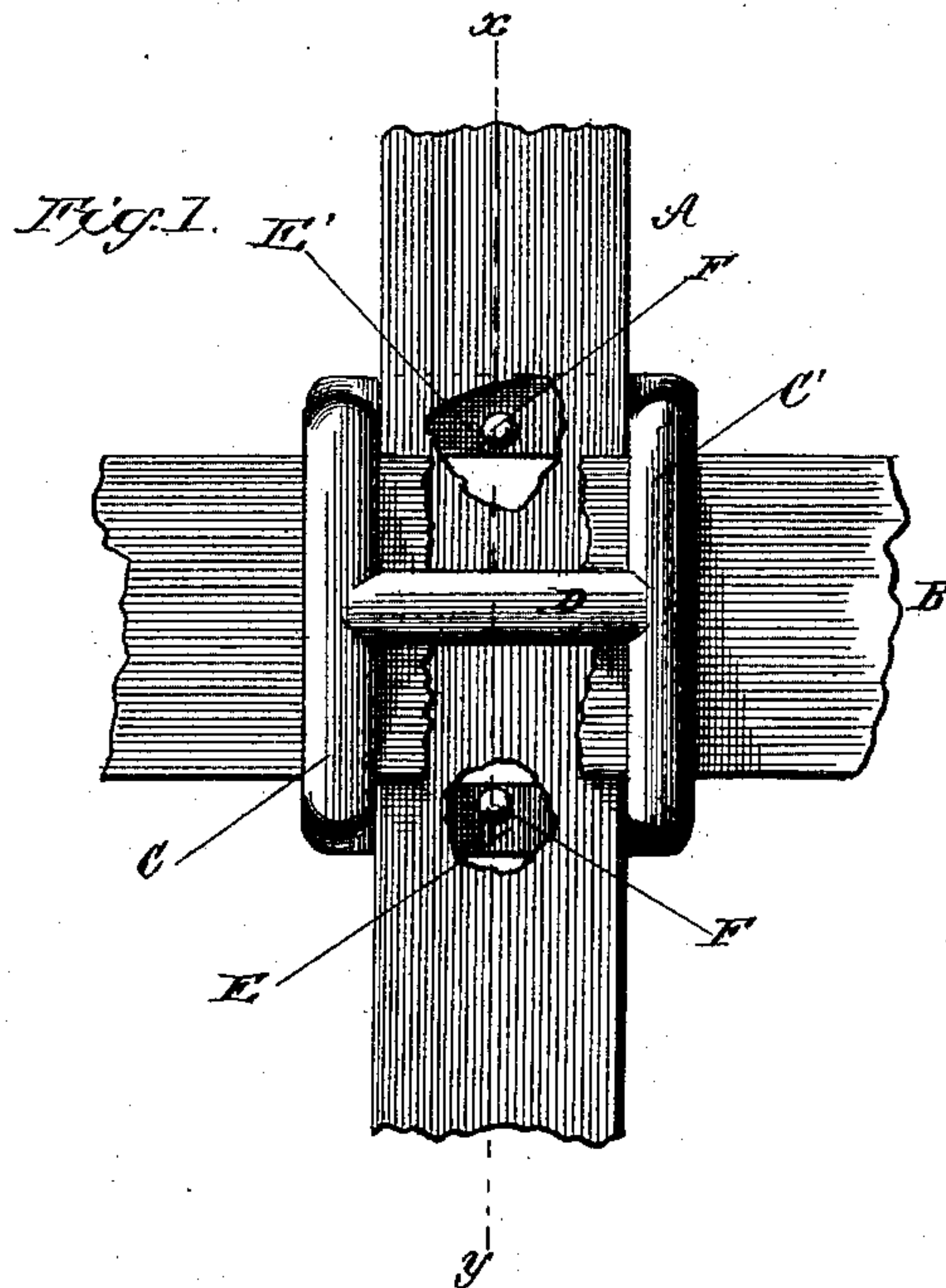
(No Model.)

A. HARTZ.

COMBINED PAD BUCKLE AND TRACE LOOP.

No. 338,406.

Patented Mar. 23, 1886.



Witnesses:

Jos. A. Ryan
A. P. Steward

Inventor:

Albert Hartz
by Wiles & Greene
his Atty's.

UNITED STATES PATENT OFFICE.

ALBERT HARTZ, OF RICHLAND CENTRE, WISCONSIN, ASSIGNOR OF ONE-HALF
TO JESSE G. BUNELL, OF SAME PLACE.

COMBINED PAD-BUCKLE AND TRACE-LOOP.

SPECIFICATION forming part of Letters Patent No. 338,406, dated March 23, 1886.

Application filed January 8, 1886. Serial No. 188,021. (No model.)

To all whom it may concern:

Be it known that I, ALBERT HARTZ, a resident of Richland Centre, in the county of Richland and State of Wisconsin, have invented certain new and useful Improvements in Combined Pad-Buckles and Trace-Loops; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same.

My invention is an improved trace-loop and pad-buckle, the construction of which is fully described and explained in this specification, and shown in the accompanying drawings, in which—

Figure 1 is an elevation of the combined loop and buckle with straps in working position therein, both straps being partly broken away to show the construction of the device; Fig. 2, a perspective view of the loop and buckle alone, looking in the direction of the arrow, Fig. 1; Fig. 3, a central section through the line *x y*, Fig. 1, the straps being omitted.

In these views, A is a vertical strap attached to and extending downward from the back-pad, and B is a trace crossing the strap A at right angles and sliding freely across it. These are held in their proper relative positions by means of the combined buckle and trace-loop constituting my invention and consisting of two parallel bars, E E', lying under and at right angles to the strap A, and two parallel bars, C C', lying above and at right angles to the trace B, the two sets of bars, E E' C C', being joined by integrally-formed corner bars, G G' G' G'. Each of the bars E E' is provided with an upward-projecting central pin or lug, F, and when the buckle is in working position the pins F enter suitably-spaced holes punched in the strap A, and thus prevent displacement of the buckle on the strap. The trace crosses the strap A at right angles and lies immediately under the cross-bars C C', sliding freely between the strap and the bars, and preventing the escape of the strap from the pins F. If the trace be withdrawn from the loop, however, the strap can be readily detached from the pins and the buckle be removed from the strap.

As shown, the trace crosses a single strap, the pins F not being of sufficient length to securely connect two vertical straps; but since

the pins F are wholly outside the margins of the trace, they may be of a length equal to that of the corner bars, G G', if desired; and when so lengthened they will securely connect two vertical straps, one from the back-pad and the other from the belly-band, the trace holding the straps against accidental disengagement from the pins, the same as it secures the single strap shown in the drawings.

The bars C C' are represented as connected by a web, D, at right angles to the bars. This web is added merely to brace and strengthen the device and to prevent the springing apart of the bars. It is not essential, however, to the operation of my buckle, and I do not limit my invention to the combination of the web with the other parts.

The straps A B are spoken of throughout the foregoing description as a "back-pad strap and trace;" but it is evident that the device shown may be used to advantage for connecting two straps in any situation where one of them slides across the other.

Having now described and explained my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a combined pad-buckle and trace-loop, two horizontal bars adapted to lie under and at right angles to the back-pad strap, two vertical bars adapted to lie over and at right angles to the trace, angle-bars connecting the vertical with the horizontal bars, and pins formed on the horizontal bars and adapted to engage the back-pad strap, substantially as shown and described, and for the purpose set forth.

2. The combined trace-loop and pad-buckle shown and described, consisting of the two sets of bars C C' E E', connected by angle-bars G G', and the pins F, formed on the bars E E', substantially as and for the purpose set forth.

3. The bars C C' E E', angle-bars G G', pins F, formed on the bars E E', and web D, connecting the bars C C', all formed in a single piece, substantially as shown and described, and for the purpose set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

Witnesses: ALBERT HARTZ.

WM. H. PIER,
J. H. YEAMAN.